

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/26649

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G08B 1/08; G01W 1/00; H04B 7/185; H04N 7/18, 11/00

US CL : 340/533, 601; 342/357.17; 348/62, 460

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 340/533, 601; 342/357.17; 348/62, 460

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,177,873 B1 (CRAGUN) 23 JANUARY 2001, column 1, lines 34-41; column 3, lines 11-32, 46-51; column 4, lines 1-12; column 5, lines 1-5, 24-32; column 6, lines 19-38, 47-	1-12 and 14-20
---	column 7, lines 2; column 7, lines 61-column 8, lines 15; column 8, lines 60-column 9, lines 30; column 11, lines 5-8.	----- 13
Y		
X	US 6,452,492 B1 (DRURY) 17 SEPTEMBER 2002, column 3, lines 15-17, 45-65; column 4, lines 1-5, 61-64; column 6, lines 1-25; column 7, lines 42-45; column 8, lines 38-41, 44-	1-4, 7-12, 15-17 and 20
---	46, 56-58; column 9, lines 59-61; column 10, lines 66-column 11, lines 13; column 11, lines 24-47; column 12, lines 21-38	----- 5-6, 13-14 and 18-19
Y		
X	US 6,452,640 B1 (YUEN et al) 17 SEPTEMBER 2002, column 1, lines 15-19, lines 59-	1, 4, 8-11, 13 and 15
---	column 2, lines 11; column 2, lines 24-38, 48-65	----- 2-3, 5-7, 12, 14 and 16-20
Y		
X, P	US 6,535,164 B2 (IMAZEKI et al) 18 March 2003, column 1, lines 43- column 2, lines 7.	1, 15 and 20
---		----- 2-14 and 16-19
Y, P		
Y	US 5,900,908 A (KIRKLAND) 4 MAY 1999, column 2, lines 20-24; column 5, lines 10-22	13

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

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later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y"

document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&"

document member of the same patent family

Date of the actual completion of the international search

04 November 2003 (04.11.2003)

Date of mailing of the international search report

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